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Adam J. Forman
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Patrick C. Herbert, *et al.*
Serial No.: 10/001,412
Filed: October 25, 2001
For: Microelectromechanical System with Improved Beam Suspension
Grp. Art Unit: --
Examiner: --
Docket No.: 110003.97478

INFORMATION DISCLOSURE STATEMENT

- ☒ (1) Pursuant to 37 CFR 1.97(b)
(within 3 months of filing or prior to mailing of 1st Office Action)
- ☐ (2) Certification Pursuant to 37 CFR 1.97(c)
(before Final Office Action or Allowance)
- ☐ (3) Fee Payment Pursuant to 37 CFR 1.97(c)
(before Final Office Action or Allowance)
- ☐ (4) Petition, Certification & Petition Fee Payment Pursuant to 37 CFR 1.97(d) (before issue fee payment)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The following are submitted in the above-identified application in compliance with 37 CFR 1.97 & 1.98:

- ☒ (5) A list of documents on Form PTO-1449 together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.

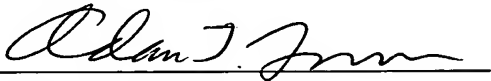
This paper is submitted in accordance with:

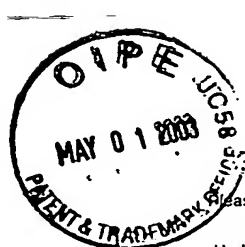
- ☒ (6) 37 CFR 1.97(b) (within 3 months of filing or prior to 1st Office Action)
- ☐ (7) 37 CFR 1.97(c) (before Final Office Action or Allowance, whichever is earlier); and
- ☐ (8) The required certification made in item 11 below; or

- ☐ (9) The \$180.00 fee specified in 36 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☐ (10) 37 CFR 1.97(d) (before issue fee payment); and
- [a] (This is a petition for consideration of the subject Information Disclosure Statement. The petition fee \$_____.00 required by 37 CFR 1.17(i)(1) is authorized in item 14 below. (Direct this letter to: "Attention PETITIONS EXAMINER" and include Confirmation Number _____, Date of Allowance _____"), and
- [b] The required Certification is stated in item 11 below.
- ☐ (11) Certification
- ☐ (12) Each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
- ☐ (13) No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.
- ☒ (14) Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 17-0055.

Respectfully submitted,

Patrick C. Herbert, *et al.*

By: 
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/001,412
		Filing Date	October 25, 2001
		First Named Inventor	Patrick C. Herbert
		Group Art Unit	--
		Examiner Name	--
Sheet 2	of 4	Attorney Docket Number	110003.97478

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,877,038		Coldren, et al.	03-02-1999	
		5,920,978		Koshikawa, et al.	07-13-1999	
		5,943,155		Goossen	08-24-1999	
		5,959,516		Chang, et al.	09-28-1999	
		5,995,688		Aksyuk, et al.	11-30-1999	
		6,060,336		Wan	05-09-2000	
		6,094,102		Chang, et al.	07-25-2000	
		6,116,756		Peeters, et al.	09-12-2000	
		6,144,545		Lee, et al.	11-07-2000	
		6,149,190		Galvin, et al.	11-21-2000	
		6,170,332		MacDonald, et al.	01-09-2001	
		6,232,150		Lin, et al.	05-15-2001	
		6,257,705		Silverbrook	07-10-2001	
		6,265,238		Yaji, et al.	07-24-2001	
		6,307,169		Sun, et al.	10-23-2001	
		6,316,278		Jacobsen, et al.	11-13-2001	
		6,356,378		Huibers	03-12-2002	
		6,356,689		Greywall	03-12-2002	
		6,373,682		Goodwin-Johansson	04-16-2002	
		6,384,353		Huang, et al.	05-07-2002	

FOREIGN PATENT DOCUMENTS								
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Number	Kind Code ² (if known)			
		6,391,742		Kawai	05-21-2002	
		6,400,009		Bishop, et al.	06-04-2002	
		5,491,604		Nguyen, et al.	02-13-1996	
		5,834,864		Hesterman, et al.	11-10-1998	
		5,955,932		Nguyen, et al.	09-21-1999	
		6,127,767		Lee, et al.	10-03-2000	
		6,188,322		Yao, et al.	02-13-2001	
		6,236,281		Nguyen, et al.	05-22-2001	
		6,411,214		Yao, et al.	06-25-2002	
		6,417,743		Mihailovich, et al.	07-09-2002	
		6,463,339		Vasko	10-08-2002	
		6,465,929		Leviton, et al.	10-15-2002	
		6,466,005		Yao, et al.	10-15-2002	
		6,497,141		Turner, et al.	12-24-2002	
		6,504,356		Yao, et al.	01-07-2003	
		2002/0017132		McNie, et al.	02-14-2002	

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Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		EP	0 665 590	A2	Canon KK	08-02-1995		
		EP	0 711 029	A2	Canon KK	05-08-1996		
		EP	0 763 844	A2	Canon KK	03-19-1997		

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		Application Number	10/001,412
		Filing Date	October 25, 2001
		First Named Inventor	Patrick C. Herbert
		Group Art Unit	--
		Examiner Name	--
Sheet 4	of 4	Attorney Docket Number	110003.97478

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Storment, C.W., et al. "Flexible, Dry-Released Process for Aluminum Electrostatic Actuators." Journal of Microelectromechanical Systems, 3(3), September 1994, p 90-96.	

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